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NTDB id 1045 HON27 RS16330 WP 168727019.1	MAEQQLVLIVDDEEDLCLLMQMTLARMGIKTHLAYRVEQAKQLFTQFHYDACLTDLNLPGDGSGLDLVKHVSQNYPNPTPI	80
NTDB id 1000478 ABFU79 RS05150 WP 012437607.1	.MNETKSALVDDDERDIRELLVLTGLRMGLRISTAAFLAEARELLASNPYDLCLTDMRLPDGNGTIELVTEIARQYPQTPV	79
NTDB id 1473 PAKAF RS24000 WP 003094694.1	..MSRQKALIVDDEPDIRELLEITLGRMKLDTRSAENVKEARELLAREPFDLCLTDMRLPDGSGLDLVQYIQQRHPQTPV	78
consensus	*!*!!!!!!*!!!!*!*!!!!!!*!!**!!*!!!!!!*!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!*	

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NTDB id 1045 HON27 RS16330 WP 168727019.1	AVLTAYGNMDIAIAALKAGAFDFVSKPVDQVHLDDQLLQKALNRQKVHDT..TENALENKLTLGRSLPIQQLRIAIAIKKTA	158
NTDB id 1000478 ABFU79 RS05150 WP 012437607.1	AMITAFGSMDLAVEALKAGAFDFVSKPVDISVLRGLVKHAELENNRDRPAPPPPPPEQASRLLDSTAMESLRSTIGKVA	159
NTDB id 1473 PAKAF RS24000 WP 003094694.1	AMITAYGSLDTAIQALKAGAFDFLTKPVDLGRRLRELVTALRLRNPEAEAE...PVDNRLLGESPPMRALRNQIGKLA	153
consensus	!!!!!!*!!*!!*!!!!!!*!!!!!!*!!*!!*!!!!!!*!!*!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!	

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NTDB id 1045 HON27 RS16330 WP 168727019.1	RSQAPVYIVGESGIGKELVARLIHEQGRSEGPFIIPVNCGAIPTELMESEFFGHKKGSFTGATQDKQGLFQAAHGGTLF	238
NTDB id 1000478 ABFU79 RS05150 WP 012437607.1	RSQAPVYIVGESGVGKELVARTIHEQGARAAGPFIPVNCGAIPAELMESEFFGHKKGSFTGAHADKPGLFQAAHGGTLF	239
NTDB id 1473 PAKAF RS24000 WP 003094694.1	RSQAPVYISGESGSGKELVARLIHEQGPRIERPFVNVCGAIPSELMESEFFGHKKGSFTGAIEDKQGLFQAAASGGTLF	233
consensus	!!!!!!*!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!	

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NTDB id 1045 HON27 RS16330 WP 168727019.1	DEVAELPLMQVKLLRAIQEKSVRVPVSSQVYVDVRILSATHKDLGLLVGRFRQDLYYRINVIELRVPPLRERREDY	318
NTDB id 1000478 ABFU79 RS05150 WP 012437607.1	DEVAELPLMQVKLLRAIQEKSVRVPVSGSETLVDVRILSATHKDLGLVSDGRFRHDLYYRINVIELRVPPLRERSGDL	319
NTDB id 1473 PAKAF RS24000 WP 003094694.1	DEVADLPYAMQVKLLRAIQEKAVRAVGGQVEAVDVRILCATHKDLAAEVGAGRFRQDLYYRLNVIELRVPPLRERREDI	313
consensus	!!!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!	

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NTDB id 1045 HON27 RS16330 WP 168727019.1	LLLANHFIQKICMEWETPPKQLTEAAETYLLQHFPGNVRELNMTERAITLSEDATIDISHLHPAPLRANISNPFASAA	398
NTDB id 1000478 ABFU79 RS05150 WP 012437607.1	PQLAAATIIARLARSHGRPIPLLTQSALDALDTYGFPGNVRELENILERALALAEDDQISASDLRLPAHGHRLA...ASP	396
NTDB id 1473 PAKAF RS24000 WP 003094694.1	PLLAERIILKRLAGDTGLPAARLTGDAQEKLNRYRFPGNVRELENMLERAYTLCEDDQIQPHDLRLADAPGASQE...GAA	390
consensus	**!!**!!**!!*!!*!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!	

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NTDB id 1045 HON27 RS16330 WP 168727019.1	QSIQTTVAAPQAV..KKLPSECLERYLENIEKDILLNALNMTHWNRTLAACKLGMTFRSLRYRLKKFGLDTETEQEV	473
NTDB id 1000478 ABFU79 RS05150 WP 012437607.1	G..TAAVEPREAVVDIDPASSALPSYTEQLERAATQKALEENRWNNKTKTAAQLGITFRALRYLKKKLGME.....	464
NTDB id 1473 PAKAF RS24000 WP 003094694.1	S.....L.....SEIDNLEDYLEDIERKLIMQALEETRWNRTAAARLGLTFRSMRYRLKKLGLD.....	445
consensus	*!!**!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!	

- non conserved
- similar
- ≥ 50% conserved